

September 09, 2016

Monte Peake
Civil & Environmental Consultants
4848 Park 370 Blvd.
Suite F
Hazelwood, MO 63042
TEL: (314) 656-4566
FAX: (314) 656-4595



RE: Huster Road Substation

WorkOrder: 16090286

Dear Monte Peake:

TEKLAB, INC received 10 samples on 9/6/2016 2:51:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Michael L. Austin
Project Manager
(618)344-1004 ex 16
MAustin@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

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Abbr Definition

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
- LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MW Molecular weight
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
- TNTC Too numerous to count (> 200 CFU)

Qualifiers

- | | |
|--|---|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| E - Value above quantitation range | H - Holding times exceeded |
| I - Associated internal standard was outside method criteria | J - Analyte detected below quantitation limits |
| M - Manual Integration used to determine area response | ND - Not Detected at the Reporting Limit |
| R - RPD outside accepted recovery limits | S - Spike Recovery outside recovery limits |
| T - TIC(Tentatively identified compound) | X - Value exceeds Maximum Contaminant Level |



Case Narrative

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Cooler Receipt Temp: 25.82 °C

Locations and Accreditations

	<u>Collinsville</u>	<u>Springfield</u>	<u>Kansas City</u>	<u>Collinsville Air</u>
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	3920 Pintail Dr Springfield, IL 62711-9415	8421 Nieman Road Lenexa, KS 66214	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
Phone	(618) 344-1004	(217) 698-1004	(913) 541-1998	(618) 344-1004
Fax	(618) 344-1005	(217) 698-1005	(913) 541-1998	(618) 344-1005
Email	jhriley@teklabinc.com	KKlostermann@teklabinc.com	dthompson@teklabinc.com	EHurley@teklabinc.com

<u>State</u>	<u>Dept</u>	<u>Cert #</u>	<u>NELAP</u>	<u>Exp Date</u>	<u>Lab</u>
Illinois	IEPA	100226	NELAP	1/31/2017	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2017	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2017	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2017	Collinsville
Texas	TCEQ	T104704515-12-1	NELAP	7/31/2017	Collinsville
Arkansas	ADEQ	88-0966		3/14/2017	Collinsville
Illinois	IDPH	17584		5/31/2017	Collinsville
Kentucky	KDEP	98006		12/31/2016	Collinsville
Kentucky	UST	0073		1/31/2017	Collinsville
Missouri	MDNR	00930		5/31/2017	Collinsville
Missouri	MDNR	930		1/31/2017	Collinsville
Oklahoma	ODEQ	9978		8/31/2017	Collinsville

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-001

Client Sample ID: MW-5

Matrix: GROUNDWATER

Collection Date: 09/06/2016 10:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	09/07/2016 23:14	122238
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	09/07/2016 23:14	122238
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
2-Butanone	NELAP	25.0		ND	µg/L	1	09/07/2016 23:14	122238
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	09/07/2016 23:14	122238
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
2-Hexanone	NELAP	25.0		ND	µg/L	1	09/07/2016 23:14	122238
2-Nitropropane	NELAP	50.0		ND	µg/L	1	09/07/2016 23:14	122238
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	09/07/2016 23:14	122238
Acetone	NELAP	25.0		ND	µg/L	1	09/07/2016 23:14	122238
Acetonitrile	NELAP	50.0		ND	µg/L	1	09/07/2016 23:14	122238
Acrolein	NELAP	100		ND	µg/L	1	09/07/2016 23:14	122238
Acrylonitrile	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Allyl chloride	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Benzene	NELAP	2.0		ND	µg/L	1	09/07/2016 23:14	122238
Bromobenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Bromochloromethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Bromoform	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Bromomethane	NELAP	10.0		ND	µg/L	1	09/07/2016 23:14	122238
Carbon disulfide	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Chlorobenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Chloroethane	NELAP	10.0		ND	µg/L	1	09/07/2016 23:14	122238



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-001

Client Sample ID: MW-5

Matrix: GROUNDWATER

Collection Date: 09/06/2016 10:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Chloromethane	NELAP	10.0		ND	µg/L	1	09/07/2016 23:14	122238
Chloroprene	NELAP	20.0		ND	µg/L	1	09/07/2016 23:14	122238
cis-1,2-Dichloroethene	NELAP	5.0		43.6	µg/L	1	09/07/2016 23:14	122238
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Cyclohexanone		50.0		ND	µg/L	1	09/07/2016 23:14	122238
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Dibromomethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	09/07/2016 23:14	122238
Ethyl acetate	NELAP	10.0		ND	µg/L	1	09/07/2016 23:14	122238
Ethyl ether	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Ethylbenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Hexachloroethane	NELAP	10.0		ND	µg/L	1	09/07/2016 23:14	122238
Iodomethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	09/07/2016 23:14	122238
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	09/07/2016 23:14	122238
Methylacrylate	NELAP	10.0		ND	µg/L	1	09/07/2016 23:14	122238
Methylene chloride	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Naphthalene	NELAP	10.0		ND	µg/L	1	09/07/2016 23:14	122238
n-Butyl acetate		25.0		ND	µg/L	1	09/07/2016 23:14	122238
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
n-Heptane		20.0		ND	µg/L	1	09/07/2016 23:14	122238
n-Hexane		20.0		ND	µg/L	1	09/07/2016 23:14	122238
Nitrobenzene	NELAP	50.0		ND	µg/L	1	09/07/2016 23:14	122238
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
o-Xylene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Pentachloroethane	NELAP	20.0		ND	µg/L	1	09/07/2016 23:14	122238
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Propionitrile	NELAP	50.0		ND	µg/L	1	09/07/2016 23:14	122238
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Styrene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	09/07/2016 23:14	122238
Toluene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	09/07/2016 23:14	122238
Trichloroethene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:14	122238
Vinyl acetate	NELAP	10.0		ND	µg/L	1	09/07/2016 23:14	122238



Laboratory Results

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Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-001

Client Sample ID: MW-5

Matrix: GROUNDWATER

Collection Date: 09/06/2016 10:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		85.1	µg/L	1	09/07/2016 23:14	122238
Surr: 1,2-Dichloroethane-d4		74.7-129		104.7	%REC	1	09/07/2016 23:14	122238
Surr: 4-Bromofluorobenzene		86-119		101.6	%REC	1	09/07/2016 23:14	122238
Surr: Dibromofluoromethane		81.7-123		95.8	%REC	1	09/07/2016 23:14	122238
Surr: Toluene-d8		84.3-114		100.1	%REC	1	09/07/2016 23:14	122238

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).

Allowable Marginal Exceedance of 1,2-dibromo-3-chloropropane and 2-butanone in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-002

Client Sample ID: MW-6

Matrix: GROUNDWATER

Collection Date: 09/06/2016 10:28

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	09/07/2016 23:41	122238
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	09/07/2016 23:41	122238
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
2-Butanone	NELAP	25.0		ND	µg/L	1	09/07/2016 23:41	122238
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	09/07/2016 23:41	122238
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
2-Hexanone	NELAP	25.0		ND	µg/L	1	09/07/2016 23:41	122238
2-Nitropropane	NELAP	50.0		ND	µg/L	1	09/07/2016 23:41	122238
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	09/07/2016 23:41	122238
Acetone	NELAP	25.0		ND	µg/L	1	09/07/2016 23:41	122238
Acetonitrile	NELAP	50.0		ND	µg/L	1	09/07/2016 23:41	122238
Acrolein	NELAP	100		ND	µg/L	1	09/07/2016 23:41	122238
Acrylonitrile	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Allyl chloride	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Benzene	NELAP	2.0		ND	µg/L	1	09/07/2016 23:41	122238
Bromobenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Bromochloromethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Bromoform	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Bromomethane	NELAP	10.0		ND	µg/L	1	09/07/2016 23:41	122238
Carbon disulfide	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Chlorobenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Chloroethane	NELAP	10.0		ND	µg/L	1	09/07/2016 23:41	122238

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-002

Client Sample ID: MW-6

Matrix: GROUNDWATER

Collection Date: 09/06/2016 10:28

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Chloromethane	NELAP	10.0		ND	µg/L	1	09/07/2016 23:41	122238
Chloroprene	NELAP	20.0		ND	µg/L	1	09/07/2016 23:41	122238
cis-1,2-Dichloroethene	NELAP	5.0		6.8	µg/L	1	09/07/2016 23:41	122238
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Cyclohexanone		50.0		ND	µg/L	1	09/07/2016 23:41	122238
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Dibromomethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	09/07/2016 23:41	122238
Ethyl acetate	NELAP	10.0		ND	µg/L	1	09/07/2016 23:41	122238
Ethyl ether	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Ethylbenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Hexachloroethane	NELAP	10.0		ND	µg/L	1	09/07/2016 23:41	122238
Iodomethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	09/07/2016 23:41	122238
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	09/07/2016 23:41	122238
Methylacrylate	NELAP	10.0		ND	µg/L	1	09/07/2016 23:41	122238
Methylene chloride	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Naphthalene	NELAP	10.0		ND	µg/L	1	09/07/2016 23:41	122238
n-Butyl acetate		25.0		ND	µg/L	1	09/07/2016 23:41	122238
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
n-Heptane		20.0		ND	µg/L	1	09/07/2016 23:41	122238
n-Hexane		20.0		ND	µg/L	1	09/07/2016 23:41	122238
Nitrobenzene	NELAP	50.0		ND	µg/L	1	09/07/2016 23:41	122238
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
o-Xylene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Pentachloroethane	NELAP	20.0		ND	µg/L	1	09/07/2016 23:41	122238
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Propionitrile	NELAP	50.0		ND	µg/L	1	09/07/2016 23:41	122238
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Styrene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	09/07/2016 23:41	122238
Toluene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	09/07/2016 23:41	122238
Trichloroethene	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	09/07/2016 23:41	122238
Vinyl acetate	NELAP	10.0		ND	µg/L	1	09/07/2016 23:41	122238



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-002

Client Sample ID: MW-6

Matrix: GROUNDWATER

Collection Date: 09/06/2016 10:28

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0	J	1.8	µg/L	1	09/07/2016 23:41	122238
Surr: 1,2-Dichloroethane-d4		74.7-129		104.4	%REC	1	09/07/2016 23:41	122238
Surr: 4-Bromofluorobenzene		86-119		103.8	%REC	1	09/07/2016 23:41	122238
Surr: Dibromofluoromethane		81.7-123		93.4	%REC	1	09/07/2016 23:41	122238
Surr: Toluene-d8		84.3-114		98.6	%REC	1	09/07/2016 23:41	122238

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).

Allowable Marginal Exceedance of 1,2-dibromo-3-chloropropane and 2-butanone in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-003

Client Sample ID: MW-7

Matrix: GROUNDWATER

Collection Date: 09/06/2016 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	09/08/2016 0:08	122238
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	09/08/2016 0:08	122238
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
2-Butanone	NELAP	25.0		ND	µg/L	1	09/08/2016 0:08	122238
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	09/08/2016 0:08	122238
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
2-Hexanone	NELAP	25.0		ND	µg/L	1	09/08/2016 0:08	122238
2-Nitropropane	NELAP	50.0		ND	µg/L	1	09/08/2016 0:08	122238
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	09/08/2016 0:08	122238
Acetone	NELAP	25.0		ND	µg/L	1	09/08/2016 0:08	122238
Acetonitrile	NELAP	50.0		ND	µg/L	1	09/08/2016 0:08	122238
Acrolein	NELAP	100		ND	µg/L	1	09/08/2016 0:08	122238
Acrylonitrile	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Allyl chloride	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Benzene	NELAP	2.0		ND	µg/L	1	09/08/2016 0:08	122238
Bromobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Bromochloromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Bromoform	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Bromomethane	NELAP	10.0		ND	µg/L	1	09/08/2016 0:08	122238
Carbon disulfide	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Chlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Chloroethane	NELAP	10.0		ND	µg/L	1	09/08/2016 0:08	122238



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-003

Client Sample ID: MW-7

Matrix: GROUNDWATER

Collection Date: 09/06/2016 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Chloromethane	NELAP	10.0		ND	µg/L	1	09/08/2016 0:08	122238
Chloroprene	NELAP	20.0		ND	µg/L	1	09/08/2016 0:08	122238
cis-1,2-Dichloroethene	NELAP	5.0		34.0	µg/L	1	09/08/2016 0:08	122238
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Cyclohexanone		50.0		ND	µg/L	1	09/08/2016 0:08	122238
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Dibromomethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	09/08/2016 0:08	122238
Ethyl acetate	NELAP	10.0		ND	µg/L	1	09/08/2016 0:08	122238
Ethyl ether	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Ethylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Hexachloroethane	NELAP	10.0		ND	µg/L	1	09/08/2016 0:08	122238
Iodomethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	09/08/2016 0:08	122238
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	09/08/2016 0:08	122238
Methylacrylate	NELAP	10.0		ND	µg/L	1	09/08/2016 0:08	122238
Methylene chloride	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Naphthalene	NELAP	10.0		ND	µg/L	1	09/08/2016 0:08	122238
n-Butyl acetate		25.0		ND	µg/L	1	09/08/2016 0:08	122238
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
n-Heptane		20.0		ND	µg/L	1	09/08/2016 0:08	122238
n-Hexane		20.0		ND	µg/L	1	09/08/2016 0:08	122238
Nitrobenzene	NELAP	50.0		ND	µg/L	1	09/08/2016 0:08	122238
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
o-Xylene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Pentachloroethane	NELAP	20.0		ND	µg/L	1	09/08/2016 0:08	122238
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Propionitrile	NELAP	50.0		ND	µg/L	1	09/08/2016 0:08	122238
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Styrene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	09/08/2016 0:08	122238
Toluene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	09/08/2016 0:08	122238
Trichloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:08	122238
Vinyl acetate	NELAP	10.0		ND	µg/L	1	09/08/2016 0:08	122238



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-003

Client Sample ID: MW-7

Matrix: GROUNDWATER

Collection Date: 09/06/2016 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		11.0	µg/L	1	09/08/2016 0:08	122238
Surr: 1,2-Dichloroethane-d4		74.7-129		102.8	%REC	1	09/08/2016 0:08	122238
Surr: 4-Bromofluorobenzene		86-119		100.7	%REC	1	09/08/2016 0:08	122238
Surr: Dibromofluoromethane		81.7-123		92.8	%REC	1	09/08/2016 0:08	122238
Surr: Toluene-d8		84.3-114		100.5	%REC	1	09/08/2016 0:08	122238

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).

Allowable Marginal Exceedance of 1,2-dibromo-3-chloropropane and 2-butanone in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-004

Client Sample ID: MW-2

Matrix: GROUNDWATER

Collection Date: 09/06/2016 10:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	09/08/2016 0:35	122238
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	09/08/2016 0:35	122238
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
2-Butanone	NELAP	25.0		ND	µg/L	1	09/08/2016 0:35	122238
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	09/08/2016 0:35	122238
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
2-Hexanone	NELAP	25.0		ND	µg/L	1	09/08/2016 0:35	122238
2-Nitropropane	NELAP	50.0		ND	µg/L	1	09/08/2016 0:35	122238
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	09/08/2016 0:35	122238
Acetone	NELAP	25.0		ND	µg/L	1	09/08/2016 0:35	122238
Acetonitrile	NELAP	50.0		ND	µg/L	1	09/08/2016 0:35	122238
Acrolein	NELAP	100		ND	µg/L	1	09/08/2016 0:35	122238
Acrylonitrile	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Allyl chloride	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Benzene	NELAP	2.0		ND	µg/L	1	09/08/2016 0:35	122238
Bromobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Bromochloromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Bromoform	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Bromomethane	NELAP	10.0		ND	µg/L	1	09/08/2016 0:35	122238
Carbon disulfide	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Chlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Chloroethane	NELAP	10.0		ND	µg/L	1	09/08/2016 0:35	122238

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-004

Client Sample ID: MW-2

Matrix: GROUNDWATER

Collection Date: 09/06/2016 10:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Chloromethane	NELAP	10.0		ND	µg/L	1	09/08/2016 0:35	122238
Chloroprene	NELAP	20.0		ND	µg/L	1	09/08/2016 0:35	122238
cis-1,2-Dichloroethene	NELAP	5.0	J	1.2	µg/L	1	09/08/2016 0:35	122238
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Cyclohexanone		50.0		ND	µg/L	1	09/08/2016 0:35	122238
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Dibromomethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	09/08/2016 0:35	122238
Ethyl acetate	NELAP	10.0		ND	µg/L	1	09/08/2016 0:35	122238
Ethyl ether	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Ethylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Hexachloroethane	NELAP	10.0		ND	µg/L	1	09/08/2016 0:35	122238
Iodomethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	09/08/2016 0:35	122238
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	09/08/2016 0:35	122238
Methylacrylate	NELAP	10.0		ND	µg/L	1	09/08/2016 0:35	122238
Methylene chloride	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Naphthalene	NELAP	10.0		ND	µg/L	1	09/08/2016 0:35	122238
n-Butyl acetate		25.0		ND	µg/L	1	09/08/2016 0:35	122238
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
n-Heptane		20.0		ND	µg/L	1	09/08/2016 0:35	122238
n-Hexane		20.0		ND	µg/L	1	09/08/2016 0:35	122238
Nitrobenzene	NELAP	50.0		ND	µg/L	1	09/08/2016 0:35	122238
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
o-Xylene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Pentachloroethane	NELAP	20.0		ND	µg/L	1	09/08/2016 0:35	122238
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Propionitrile	NELAP	50.0		ND	µg/L	1	09/08/2016 0:35	122238
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Styrene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	09/08/2016 0:35	122238
Toluene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	09/08/2016 0:35	122238
Trichloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 0:35	122238
Vinyl acetate	NELAP	10.0		ND	µg/L	1	09/08/2016 0:35	122238



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-004

Client Sample ID: MW-2

Matrix: GROUNDWATER

Collection Date: 09/06/2016 10:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	09/08/2016 0:35	122238
Surr: 1,2-Dichloroethane-d4		74.7-129		101.7	%REC	1	09/08/2016 0:35	122238
Surr: 4-Bromofluorobenzene		86-119		102.9	%REC	1	09/08/2016 0:35	122238
Surr: Dibromofluoromethane		81.7-123		93.5	%REC	1	09/08/2016 0:35	122238
Surr: Toluene-d8		84.3-114		98.9	%REC	1	09/08/2016 0:35	122238

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).

Allowable Marginal Exceedance of 1,2-dibromo-3-chloropropane and 2-butanone in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-005

Client Sample ID: MW-3

Matrix: GROUNDWATER

Collection Date: 09/06/2016 11:16

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	09/08/2016 1:02	122238
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	09/08/2016 1:02	122238
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
2-Butanone	NELAP	25.0		ND	µg/L	1	09/08/2016 1:02	122238
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	09/08/2016 1:02	122238
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
2-Hexanone	NELAP	25.0		ND	µg/L	1	09/08/2016 1:02	122238
2-Nitropropane	NELAP	50.0		ND	µg/L	1	09/08/2016 1:02	122238
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	09/08/2016 1:02	122238
Acetone	NELAP	25.0		ND	µg/L	1	09/08/2016 1:02	122238
Acetonitrile	NELAP	50.0		ND	µg/L	1	09/08/2016 1:02	122238
Acrolein	NELAP	100		ND	µg/L	1	09/08/2016 1:02	122238
Acrylonitrile	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Allyl chloride	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Benzene	NELAP	2.0		ND	µg/L	1	09/08/2016 1:02	122238
Bromobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Bromochloromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Bromoform	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Bromomethane	NELAP	10.0		ND	µg/L	1	09/08/2016 1:02	122238
Carbon disulfide	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Chlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Chloroethane	NELAP	10.0		ND	µg/L	1	09/08/2016 1:02	122238

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-005

Client Sample ID: MW-3

Matrix: GROUNDWATER

Collection Date: 09/06/2016 11:16

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Chloromethane	NELAP	10.0		ND	µg/L	1	09/08/2016 1:02	122238
Chloroprene	NELAP	20.0		ND	µg/L	1	09/08/2016 1:02	122238
cis-1,2-Dichloroethene	NELAP	5.0		19.0	µg/L	1	09/08/2016 1:02	122238
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Cyclohexanone		50.0		ND	µg/L	1	09/08/2016 1:02	122238
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Dibromomethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	09/08/2016 1:02	122238
Ethyl acetate	NELAP	10.0		ND	µg/L	1	09/08/2016 1:02	122238
Ethyl ether	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Ethylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Hexachloroethane	NELAP	10.0		ND	µg/L	1	09/08/2016 1:02	122238
Iodomethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	09/08/2016 1:02	122238
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	09/08/2016 1:02	122238
Methylacrylate	NELAP	10.0		ND	µg/L	1	09/08/2016 1:02	122238
Methylene chloride	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Naphthalene	NELAP	10.0		ND	µg/L	1	09/08/2016 1:02	122238
n-Butyl acetate		25.0		ND	µg/L	1	09/08/2016 1:02	122238
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
n-Heptane		20.0		ND	µg/L	1	09/08/2016 1:02	122238
n-Hexane		20.0		ND	µg/L	1	09/08/2016 1:02	122238
Nitrobenzene	NELAP	50.0		ND	µg/L	1	09/08/2016 1:02	122238
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
o-Xylene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Pentachloroethane	NELAP	20.0		ND	µg/L	1	09/08/2016 1:02	122238
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Propionitrile	NELAP	50.0		ND	µg/L	1	09/08/2016 1:02	122238
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Styrene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Tetrachloroethene	NELAP	5.0	J	4.2	µg/L	1	09/08/2016 1:02	122238
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	09/08/2016 1:02	122238
Toluene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	09/08/2016 1:02	122238
Trichloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:02	122238
Vinyl acetate	NELAP	10.0		ND	µg/L	1	09/08/2016 1:02	122238



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation
Lab ID: 16090286-005
Matrix: GROUNDWATER

Work Order: 16090286
Report Date: 09-Sep-16

Client Sample ID: MW-3

Collection Date: 09/06/2016 11:16

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	09/08/2016 1:02	122238
Surr: 1,2-Dichloroethane-d4		74.7-129		104.0	%REC	1	09/08/2016 1:02	122238
Surr: 4-Bromofluorobenzene		86-119		102.0	%REC	1	09/08/2016 1:02	122238
Surr: Dibromofluoromethane		81.7-123		92.9	%REC	1	09/08/2016 1:02	122238
Surr: Toluene-d8		84.3-114		101.2	%REC	1	09/08/2016 1:02	122238

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).

Allowable Marginal Exceedance of 1,2-dibromo-3-chloropropane and 2-butanone in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-006

Client Sample ID: MW-40

Matrix: GROUNDWATER

Collection Date: 09/06/2016 12:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	09/08/2016 1:28	122238
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	09/08/2016 1:28	122238
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
2-Butanone	NELAP	25.0		ND	µg/L	1	09/08/2016 1:28	122238
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	09/08/2016 1:28	122238
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
2-Hexanone	NELAP	25.0		ND	µg/L	1	09/08/2016 1:28	122238
2-Nitropropane	NELAP	50.0		ND	µg/L	1	09/08/2016 1:28	122238
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	09/08/2016 1:28	122238
Acetone	NELAP	25.0		ND	µg/L	1	09/08/2016 1:28	122238
Acetonitrile	NELAP	50.0		ND	µg/L	1	09/08/2016 1:28	122238
Acrolein	NELAP	100		ND	µg/L	1	09/08/2016 1:28	122238
Acrylonitrile	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Allyl chloride	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Benzene	NELAP	2.0		ND	µg/L	1	09/08/2016 1:28	122238
Bromobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Bromochloromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Bromoform	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Bromomethane	NELAP	10.0		ND	µg/L	1	09/08/2016 1:28	122238
Carbon disulfide	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Chlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Chloroethane	NELAP	10.0	J	3.9	µg/L	1	09/08/2016 1:28	122238

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-006

Client Sample ID: MW-40

Matrix: GROUNDWATER

Collection Date: 09/06/2016 12:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Chloromethane	NELAP	10.0		ND	µg/L	1	09/08/2016 1:28	122238
Chloroprene	NELAP	20.0		ND	µg/L	1	09/08/2016 1:28	122238
cis-1,2-Dichloroethene	NELAP	5.0	J	2.0	µg/L	1	09/08/2016 1:28	122238
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Cyclohexanone		50.0		ND	µg/L	1	09/08/2016 1:28	122238
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Dibromomethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	09/08/2016 1:28	122238
Ethyl acetate	NELAP	10.0		ND	µg/L	1	09/08/2016 1:28	122238
Ethyl ether	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Ethylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Hexachloroethane	NELAP	10.0		ND	µg/L	1	09/08/2016 1:28	122238
Iodomethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	09/08/2016 1:28	122238
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	09/08/2016 1:28	122238
Methylacrylate	NELAP	10.0		ND	µg/L	1	09/08/2016 1:28	122238
Methylene chloride	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Naphthalene	NELAP	10.0		ND	µg/L	1	09/08/2016 1:28	122238
n-Butyl acetate		25.0		ND	µg/L	1	09/08/2016 1:28	122238
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
n-Heptane		20.0		ND	µg/L	1	09/08/2016 1:28	122238
n-Hexane		20.0		ND	µg/L	1	09/08/2016 1:28	122238
Nitrobenzene	NELAP	50.0		ND	µg/L	1	09/08/2016 1:28	122238
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
o-Xylene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Pentachloroethane	NELAP	20.0		ND	µg/L	1	09/08/2016 1:28	122238
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Propionitrile	NELAP	50.0		ND	µg/L	1	09/08/2016 1:28	122238
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Styrene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	09/08/2016 1:28	122238
Toluene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
trans-1,2-Dichloroethene	NELAP	5.0	J	1.2	µg/L	1	09/08/2016 1:28	122238
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	09/08/2016 1:28	122238
Trichloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 1:28	122238
Vinyl acetate	NELAP	10.0		ND	µg/L	1	09/08/2016 1:28	122238



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-006

Client Sample ID: MW-40

Matrix: GROUNDWATER

Collection Date: 09/06/2016 12:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		2.8	µg/L	1	09/08/2016 1:28	122238
Surr: 1,2-Dichloroethane-d4		74.7-129		97.7	%REC	1	09/08/2016 1:28	122238
Surr: 4-Bromofluorobenzene		86-119		101.7	%REC	1	09/08/2016 1:28	122238
Surr: Dibromofluoromethane		81.7-123		92.2	%REC	1	09/08/2016 1:28	122238
Surr: Toluene-d8		84.3-114		101.2	%REC	1	09/08/2016 1:28	122238

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).

Allowable Marginal Exceedance of 1,2-dibromo-3-chloropropane and 2-butanone in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-007

Client Sample ID: MW-39

Matrix: GROUNDWATER

Collection Date: 09/06/2016 12:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1,1,1-Trichloroethane	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1,1,2,2-Tetrachloroethane	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1,1,2-Trichloro-1,2,2-trifluoroethane		400		ND	µg/L	20	09/08/2016 1:55	122238
1,1,2-Trichloroethane	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1,1-Dichloro-2-propanone		1000		ND	µg/L	20	09/08/2016 1:55	122238
1,1-Dichloroethane	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1,1-Dichloroethene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1,1-Dichloropropene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1,2,3-Trichlorobenzene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1,2,3-Trichloropropane	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1,2,3-Trimethylbenzene		100		ND	µg/L	20	09/08/2016 1:55	122238
1,2,4-Trichlorobenzene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1,2,4-Trimethylbenzene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1,2-Dibromo-3-chloropropane	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1,2-Dibromoethane	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1,2-Dichlorobenzene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1,2-Dichloroethane	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1,2-Dichloropropane	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1,3,5-Trimethylbenzene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1,3-Dichlorobenzene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1,3-Dichloropropane	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1,4-Dichlorobenzene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
1-Chlorobutane	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
2,2-Dichloropropane	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
2-Butanone	NELAP	500		ND	µg/L	20	09/08/2016 1:55	122238
2-Chloroethyl vinyl ether	NELAP	400		ND	µg/L	20	09/08/2016 1:55	122238
2-Chlorotoluene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
2-Hexanone	NELAP	500		ND	µg/L	20	09/08/2016 1:55	122238
2-Nitropropane	NELAP	1000		ND	µg/L	20	09/08/2016 1:55	122238
4-Chlorotoluene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
4-Methyl-2-pentanone	NELAP	500		ND	µg/L	20	09/08/2016 1:55	122238
Acetone	NELAP	500		ND	µg/L	20	09/08/2016 1:55	122238
Acetonitrile	NELAP	1000		ND	µg/L	20	09/08/2016 1:55	122238
Acrolein	NELAP	2000		ND	µg/L	20	09/08/2016 1:55	122238
Acrylonitrile	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Allyl chloride	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Benzene	NELAP	40.0		ND	µg/L	20	09/08/2016 1:55	122238
Bromobenzene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Bromochloromethane	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Bromodichloromethane	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Bromoform	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Bromomethane	NELAP	200		ND	µg/L	20	09/08/2016 1:55	122238
Carbon disulfide	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Carbon tetrachloride	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Chlorobenzene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Chloroethane	NELAP	200		ND	µg/L	20	09/08/2016 1:55	122238

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-007

Client Sample ID: MW-39

Matrix: GROUNDWATER

Collection Date: 09/06/2016 12:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Chloromethane	NELAP	200		ND	µg/L	20	09/08/2016 1:55	122238
Chloroprene	NELAP	400		ND	µg/L	20	09/08/2016 1:55	122238
cis-1,2-Dichloroethene	NELAP	100		1220	µg/L	20	09/08/2016 1:55	122238
cis-1,3-Dichloropropene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
cis-1,4-Dichloro-2-butene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Cyclohexanone		1000		ND	µg/L	20	09/08/2016 1:55	122238
Dibromochloromethane	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Dibromomethane	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Dichlorodifluoromethane	NELAP	200		ND	µg/L	20	09/08/2016 1:55	122238
Ethyl acetate	NELAP	200		ND	µg/L	20	09/08/2016 1:55	122238
Ethyl ether	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Ethyl methacrylate	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Ethylbenzene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Hexachlorobutadiene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Hexachloroethane	NELAP	200		ND	µg/L	20	09/08/2016 1:55	122238
Iodomethane	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Isopropylbenzene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
m,p-Xylenes	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Methacrylonitrile	NELAP	200		ND	µg/L	20	09/08/2016 1:55	122238
Methyl Methacrylate	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Methyl tert-butyl ether	NELAP	40.0		ND	µg/L	20	09/08/2016 1:55	122238
Methylacrylate	NELAP	200		ND	µg/L	20	09/08/2016 1:55	122238
Methylene chloride	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Naphthalene	NELAP	200		ND	µg/L	20	09/08/2016 1:55	122238
n-Butyl acetate		500		ND	µg/L	20	09/08/2016 1:55	122238
n-Butylbenzene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
n-Heptane		400		ND	µg/L	20	09/08/2016 1:55	122238
n-Hexane		400		ND	µg/L	20	09/08/2016 1:55	122238
Nitrobenzene	NELAP	1000		ND	µg/L	20	09/08/2016 1:55	122238
n-Propylbenzene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
o-Xylene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Pentachloroethane	NELAP	400		ND	µg/L	20	09/08/2016 1:55	122238
p-Isopropyltoluene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Propionitrile	NELAP	1000		ND	µg/L	20	09/08/2016 1:55	122238
sec-Butylbenzene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Styrene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
tert-Butylbenzene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Tetrachloroethene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Tetrahydrofuran	NELAP	400	J	120	µg/L	20	09/08/2016 1:55	122238
Toluene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
trans-1,2-Dichloroethene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
trans-1,3-Dichloropropene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
trans-1,4-Dichloro-2-butene	NELAP	200		ND	µg/L	20	09/08/2016 1:55	122238
Trichloroethene	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Trichlorofluoromethane	NELAP	100		ND	µg/L	20	09/08/2016 1:55	122238
Vinyl acetate	NELAP	200		ND	µg/L	20	09/08/2016 1:55	122238



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation
Lab ID: 16090286-007
Matrix: GROUNDWATER

Work Order: 16090286
Report Date: 09-Sep-16
Client Sample ID: MW-39
Collection Date: 09/06/2016 12:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	40.0		61.8	µg/L	20	09/08/2016 1:55	122238
Surr: 1,2-Dichloroethane-d4		74.7-129		102.4	%REC	20	09/08/2016 1:55	122238
Surr: 4-Bromofluorobenzene		86-119		102.7	%REC	20	09/08/2016 1:55	122238
Surr: Dibromofluoromethane		81.7-123		92.1	%REC	20	09/08/2016 1:55	122238
Surr: Toluene-d8		84.3-114		100.8	%REC	20	09/08/2016 1:55	122238

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).

Elevated reporting limit due to high levels of target and/or non-target analytes.

Allowable Marginal Exceedance of 1,2-dibromo-3-chloropropane and 2-butanone in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-008

Client Sample ID: MW-41

Matrix: GROUNDWATER

Collection Date: 09/06/2016 12:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1,1,1-Trichloroethane	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1,1,2,2-Tetrachloroethane	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1,1,2-Trichloro-1,2,2-trifluoroethane		10000		ND	µg/L	500	09/08/2016 2:22	122238
1,1,2-Trichloroethane	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1,1-Dichloro-2-propanone		25000		ND	µg/L	500	09/08/2016 2:22	122238
1,1-Dichloroethane	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1,1-Dichloroethene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1,1-Dichloropropene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1,2,3-Trichlorobenzene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1,2,3-Trichloropropane	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1,2,3-Trimethylbenzene		2500		ND	µg/L	500	09/08/2016 2:22	122238
1,2,4-Trichlorobenzene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1,2,4-Trimethylbenzene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1,2-Dibromo-3-chloropropane	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1,2-Dibromoethane	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1,2-Dichlorobenzene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1,2-Dichloroethane	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1,2-Dichloropropane	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1,3,5-Trimethylbenzene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1,3-Dichlorobenzene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1,3-Dichloropropane	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1,4-Dichlorobenzene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
1-Chlorobutane	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
2,2-Dichloropropane	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
2-Butanone	NELAP	12500		ND	µg/L	500	09/08/2016 2:22	122238
2-Chloroethyl vinyl ether	NELAP	10000		ND	µg/L	500	09/08/2016 2:22	122238
2-Chlorotoluene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
2-Hexanone	NELAP	12500		ND	µg/L	500	09/08/2016 2:22	122238
2-Nitropropane	NELAP	25000		ND	µg/L	500	09/08/2016 2:22	122238
4-Chlorotoluene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
4-Methyl-2-pentanone	NELAP	12500		ND	µg/L	500	09/08/2016 2:22	122238
Acetone	NELAP	12500		ND	µg/L	500	09/08/2016 2:22	122238
Acetonitrile	NELAP	25000		ND	µg/L	500	09/08/2016 2:22	122238
Acrolein	NELAP	50000		ND	µg/L	500	09/08/2016 2:22	122238
Acrylonitrile	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Allyl chloride	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Benzene	NELAP	1000		ND	µg/L	500	09/08/2016 2:22	122238
Bromobenzene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Bromochloromethane	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Bromodichloromethane	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Bromoform	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Bromomethane	NELAP	5000		ND	µg/L	500	09/08/2016 2:22	122238
Carbon disulfide	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Carbon tetrachloride	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Chlorobenzene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Chloroethane	NELAP	5000		ND	µg/L	500	09/08/2016 2:22	122238

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-008

Client Sample ID: MW-41

Matrix: GROUNDWATER

Collection Date: 09/06/2016 12:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Chloromethane	NELAP	5000		ND	µg/L	500	09/08/2016 2:22	122238
Chloroprene	NELAP	10000		ND	µg/L	500	09/08/2016 2:22	122238
cis-1,2-Dichloroethene	NELAP	2500		74600	µg/L	500	09/08/2016 2:22	122238
cis-1,3-Dichloropropene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
cis-1,4-Dichloro-2-butene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Cyclohexanone		25000		ND	µg/L	500	09/08/2016 2:22	122238
Dibromochloromethane	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Dibromomethane	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Dichlorodifluoromethane	NELAP	5000		ND	µg/L	500	09/08/2016 2:22	122238
Ethyl acetate	NELAP	5000		ND	µg/L	500	09/08/2016 2:22	122238
Ethyl ether	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Ethyl methacrylate	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Ethylbenzene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Hexachlorobutadiene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Hexachloroethane	NELAP	5000		ND	µg/L	500	09/08/2016 2:22	122238
Iodomethane	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Isopropylbenzene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
m,p-Xylenes	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Methacrylonitrile	NELAP	5000		ND	µg/L	500	09/08/2016 2:22	122238
Methyl Methacrylate	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Methyl tert-butyl ether	NELAP	1000		ND	µg/L	500	09/08/2016 2:22	122238
Methylacrylate	NELAP	5000		ND	µg/L	500	09/08/2016 2:22	122238
Methylene chloride	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Naphthalene	NELAP	5000		ND	µg/L	500	09/08/2016 2:22	122238
n-Butyl acetate		12500		ND	µg/L	500	09/08/2016 2:22	122238
n-Butylbenzene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
n-Heptane		10000		ND	µg/L	500	09/08/2016 2:22	122238
n-Hexane		10000		ND	µg/L	500	09/08/2016 2:22	122238
Nitrobenzene	NELAP	25000		ND	µg/L	500	09/08/2016 2:22	122238
n-Propylbenzene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
o-Xylene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Pentachloroethane	NELAP	10000		ND	µg/L	500	09/08/2016 2:22	122238
p-Isopropyltoluene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Propionitrile	NELAP	25000		ND	µg/L	500	09/08/2016 2:22	122238
sec-Butylbenzene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Styrene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
tert-Butylbenzene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Tetrachloroethene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Tetrahydrofuran	NELAP	10000		ND	µg/L	500	09/08/2016 2:22	122238
Toluene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
trans-1,2-Dichloroethene	NELAP	2500	J	980	µg/L	500	09/08/2016 2:22	122238
trans-1,3-Dichloropropene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
trans-1,4-Dichloro-2-butene	NELAP	5000		ND	µg/L	500	09/08/2016 2:22	122238
Trichloroethene	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Trichlorofluoromethane	NELAP	2500		ND	µg/L	500	09/08/2016 2:22	122238
Vinyl acetate	NELAP	5000		ND	µg/L	500	09/08/2016 2:22	122238



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-008

Client Sample ID: MW-41

Matrix: GROUNDWATER

Collection Date: 09/06/2016 12:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	1000		9430	µg/L	500	09/08/2016 2:22	122238
Surr: 1,2-Dichloroethane-d4		74.7-129		103.2	%REC	500	09/08/2016 2:22	122238
Surr: 4-Bromofluorobenzene		86-119		103.5	%REC	500	09/08/2016 2:22	122238
Surr: Dibromofluoromethane		81.7-123		94.1	%REC	500	09/08/2016 2:22	122238
Surr: Toluene-d8		84.3-114		99.9	%REC	500	09/08/2016 2:22	122238

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).

Elevated reporting limit due to high levels of target and/or non-target analytes.

Allowable Marginal Exceedance of 1,2-dibromo-3-chloropropane and 2-butanone in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-009

Client Sample ID: MW-4

Matrix: GROUNDWATER

Collection Date: 09/06/2016 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	09/08/2016 2:49	122238
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	09/08/2016 2:49	122238
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
2-Butanone	NELAP	25.0		ND	µg/L	1	09/08/2016 2:49	122238
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	09/08/2016 2:49	122238
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
2-Hexanone	NELAP	25.0		ND	µg/L	1	09/08/2016 2:49	122238
2-Nitropropane	NELAP	50.0		ND	µg/L	1	09/08/2016 2:49	122238
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	09/08/2016 2:49	122238
Acetone	NELAP	25.0	J	6.2	µg/L	1	09/08/2016 2:49	122238
Acetonitrile	NELAP	50.0		ND	µg/L	1	09/08/2016 2:49	122238
Acrolein	NELAP	100		ND	µg/L	1	09/08/2016 2:49	122238
Acrylonitrile	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Allyl chloride	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Benzene	NELAP	2.0		ND	µg/L	1	09/08/2016 2:49	122238
Bromobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Bromochloromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Bromoform	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Bromomethane	NELAP	10.0		ND	µg/L	1	09/08/2016 2:49	122238
Carbon disulfide	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Chlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Chloroethane	NELAP	10.0		ND	µg/L	1	09/08/2016 2:49	122238

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-009

Client Sample ID: MW-4

Matrix: GROUNDWATER

Collection Date: 09/06/2016 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Chloromethane	NELAP	10.0		ND	µg/L	1	09/08/2016 2:49	122238
Chloroprene	NELAP	20.0		ND	µg/L	1	09/08/2016 2:49	122238
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Cyclohexanone		50.0		ND	µg/L	1	09/08/2016 2:49	122238
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Dibromomethane	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	09/08/2016 2:49	122238
Ethyl acetate	NELAP	10.0		ND	µg/L	1	09/08/2016 2:49	122238
Ethyl ether	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Ethylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Hexachloroethane	NELAP	10.0		ND	µg/L	1	09/08/2016 2:49	122238
Iodomethane	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	09/08/2016 2:49	122238
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	09/08/2016 2:49	122238
Methylacrylate	NELAP	10.0		ND	µg/L	1	09/08/2016 2:49	122238
Methylene chloride	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Naphthalene	NELAP	10.0		ND	µg/L	1	09/08/2016 2:49	122238
n-Butyl acetate		25.0		ND	µg/L	1	09/08/2016 2:49	122238
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
n-Heptane		20.0		ND	µg/L	1	09/08/2016 2:49	122238
n-Hexane		20.0		ND	µg/L	1	09/08/2016 2:49	122238
Nitrobenzene	NELAP	50.0		ND	µg/L	1	09/08/2016 2:49	122238
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
o-Xylene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Pentachloroethane	NELAP	20.0		ND	µg/L	1	09/08/2016 2:49	122238
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Propionitrile	NELAP	50.0		ND	µg/L	1	09/08/2016 2:49	122238
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Styrene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	09/08/2016 2:49	122238
Toluene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	09/08/2016 2:49	122238
Trichloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 2:49	122238
Vinyl acetate	NELAP	10.0		ND	µg/L	1	09/08/2016 2:49	122238



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation
Lab ID: 16090286-009
Matrix: GROUNDWATER

Work Order: 16090286
Report Date: 09-Sep-16

Client Sample ID: MW-4

Collection Date: 09/06/2016 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	09/08/2016 2:49	122238
Surr: 1,2-Dichloroethane-d4		74.7-129		103.0	%REC	1	09/08/2016 2:49	122238
Surr: 4-Bromofluorobenzene		86-119		102.9	%REC	1	09/08/2016 2:49	122238
Surr: Dibromofluoromethane		81.7-123		93.2	%REC	1	09/08/2016 2:49	122238
Surr: Toluene-d8		84.3-114		99.4	%REC	1	09/08/2016 2:49	122238

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).

Allowable Marginal Exceedance of 1,2-dibromo-3-chloropropane and 2-butanone in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-010

Client Sample ID: MW-1

Matrix: GROUNDWATER

Collection Date: 09/06/2016 13:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	09/08/2016 3:16	122238
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	09/08/2016 3:16	122238
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
2-Butanone	NELAP	25.0		ND	µg/L	1	09/08/2016 3:16	122238
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	09/08/2016 3:16	122238
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
2-Hexanone	NELAP	25.0		ND	µg/L	1	09/08/2016 3:16	122238
2-Nitropropane	NELAP	50.0		ND	µg/L	1	09/08/2016 3:16	122238
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	09/08/2016 3:16	122238
Acetone	NELAP	25.0		ND	µg/L	1	09/08/2016 3:16	122238
Acetonitrile	NELAP	50.0		ND	µg/L	1	09/08/2016 3:16	122238
Acrolein	NELAP	100		ND	µg/L	1	09/08/2016 3:16	122238
Acrylonitrile	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Allyl chloride	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Benzene	NELAP	2.0		ND	µg/L	1	09/08/2016 3:16	122238
Bromobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Bromochloromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Bromoform	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Bromomethane	NELAP	10.0		ND	µg/L	1	09/08/2016 3:16	122238
Carbon disulfide	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Chlorobenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Chloroethane	NELAP	10.0		ND	µg/L	1	09/08/2016 3:16	122238

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-010

Client Sample ID: MW-1

Matrix: GROUNDWATER

Collection Date: 09/06/2016 13:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Chloromethane	NELAP	10.0		ND	µg/L	1	09/08/2016 3:16	122238
Chloroprene	NELAP	20.0		ND	µg/L	1	09/08/2016 3:16	122238
cis-1,2-Dichloroethene	NELAP	5.0		62.9	µg/L	1	09/08/2016 3:16	122238
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Cyclohexanone		50.0		ND	µg/L	1	09/08/2016 3:16	122238
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Dibromomethane	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	09/08/2016 3:16	122238
Ethyl acetate	NELAP	10.0		ND	µg/L	1	09/08/2016 3:16	122238
Ethyl ether	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Ethylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Hexachloroethane	NELAP	10.0		ND	µg/L	1	09/08/2016 3:16	122238
Iodomethane	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	09/08/2016 3:16	122238
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	09/08/2016 3:16	122238
Methylacrylate	NELAP	10.0		ND	µg/L	1	09/08/2016 3:16	122238
Methylene chloride	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Naphthalene	NELAP	10.0		ND	µg/L	1	09/08/2016 3:16	122238
n-Butyl acetate		25.0		ND	µg/L	1	09/08/2016 3:16	122238
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
n-Heptane		20.0		ND	µg/L	1	09/08/2016 3:16	122238
n-Hexane		20.0		ND	µg/L	1	09/08/2016 3:16	122238
Nitrobenzene	NELAP	50.0		ND	µg/L	1	09/08/2016 3:16	122238
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
o-Xylene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Pentachloroethane	NELAP	20.0		ND	µg/L	1	09/08/2016 3:16	122238
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Propionitrile	NELAP	50.0		ND	µg/L	1	09/08/2016 3:16	122238
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Styrene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	09/08/2016 3:16	122238
Toluene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
trans-1,2-Dichloroethene	NELAP	5.0	J	2.1	µg/L	1	09/08/2016 3:16	122238
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	09/08/2016 3:16	122238
Trichloroethene	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	09/08/2016 3:16	122238
Vinyl acetate	NELAP	10.0		ND	µg/L	1	09/08/2016 3:16	122238



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab ID: 16090286-010

Client Sample ID: MW-1

Matrix: GROUNDWATER

Collection Date: 09/06/2016 13:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		2.7	µg/L	1	09/08/2016 3:16	122238
Surr: 1,2-Dichloroethane-d4		74.7-129		105.2	%REC	1	09/08/2016 3:16	122238
Surr: 4-Bromofluorobenzene		86-119		103.8	%REC	1	09/08/2016 3:16	122238
Surr: Dibromofluoromethane		81.7-123		96.4	%REC	1	09/08/2016 3:16	122238
Surr: Toluene-d8		84.3-114		99.9	%REC	1	09/08/2016 3:16	122238

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).

Allowable Marginal Exceedance of 1,2-dibromo-3-chloropropane and 2-butanone in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).



Sample Summary

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
16090286-001	MW-5	Groundwater	1	09/06/2016 10:25
16090286-002	MW-6	Groundwater	1	09/06/2016 10:28
16090286-003	MW-7	Groundwater	1	09/06/2016 10:30
16090286-004	MW-2	Groundwater	1	09/06/2016 10:53
16090286-005	MW-3	Groundwater	1	09/06/2016 11:16
16090286-006	MW-40	Groundwater	1	09/06/2016 12:15
16090286-007	MW-39	Groundwater	1	09/06/2016 12:25
16090286-008	MW-41	Groundwater	1	09/06/2016 12:30
16090286-009	MW-4	Groundwater	1	09/06/2016 13:00
16090286-010	MW-1	Groundwater	1	09/06/2016 13:21



Dates Report

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
16090286-001A	MW-5	09/06/2016 10:25	09/06/2016 14:51		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/07/2016 23:14
16090286-002A	MW-6	09/06/2016 10:28	09/06/2016 14:51		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/07/2016 23:41
16090286-003A	MW-7	09/06/2016 10:30	09/06/2016 14:51		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/08/2016 0:08
16090286-004A	MW-2	09/06/2016 10:53	09/06/2016 14:51		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/08/2016 0:35
16090286-005A	MW-3	09/06/2016 11:16	09/06/2016 14:51		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/08/2016 1:02
16090286-006A	MW-40	09/06/2016 12:15	09/06/2016 14:51		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/08/2016 1:28
16090286-007A	MW-39	09/06/2016 12:25	09/06/2016 14:51		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/08/2016 1:55
16090286-008A	MW-41	09/06/2016 12:30	09/06/2016 14:51		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/08/2016 2:22
16090286-009A	MW-4	09/06/2016 13:00	09/06/2016 14:51		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/08/2016 2:49
16090286-010A	MW-1	09/06/2016 13:21	09/06/2016 14:51		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/08/2016 3:16

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 122238 **SampType: MBLK** **Units µg/L**
 SampID: MBLK-T160907A-2

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	5.0		ND						09/07/2016
1,1,1-Trichloroethane	5.0		ND						09/07/2016
1,1,2,2-Tetrachloroethane	5.0		ND						09/07/2016
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0		ND						09/07/2016
1,1,2-Trichloroethane	5.0		ND						09/07/2016
1,1-Dichloro-2-propanone	50.0		ND						09/07/2016
1,1-Dichloroethane	5.0		ND						09/07/2016
1,1-Dichloroethene	5.0		ND						09/07/2016
1,1-Dichloropropene	5.0		ND						09/07/2016
1,2,3-Trichlorobenzene	5.0		ND						09/07/2016
1,2,3-Trichloropropane	5.0		ND						09/07/2016
1,2,3-Trimethylbenzene	5.0		ND						09/07/2016
1,2,4-Trichlorobenzene	5.0		ND						09/07/2016
1,2,4-Trimethylbenzene	5.0		ND						09/07/2016
1,2-Dibromo-3-chloropropane	5.0		ND						09/07/2016
1,2-Dibromoethane	5.0		ND						09/07/2016
1,2-Dichlorobenzene	5.0		ND						09/07/2016
1,2-Dichloroethane	5.0		ND						09/07/2016
1,2-Dichloropropane	5.0		ND						09/07/2016
1,3,5-Trimethylbenzene	5.0		ND						09/07/2016
1,3-Dichlorobenzene	5.0		ND						09/07/2016
1,3-Dichloropropane	5.0		ND						09/07/2016
1,4-Dichlorobenzene	5.0		ND						09/07/2016
1-Chlorobutane	5.0		ND						09/07/2016
2,2-Dichloropropane	5.0		ND						09/07/2016
2-Butanone	25.0		ND						09/07/2016
2-Chloroethyl vinyl ether	20.0		ND						09/07/2016
2-Chlorotoluene	5.0		ND						09/07/2016
2-Hexanone	25.0		ND						09/07/2016
2-Nitropropane	50.0		ND						09/07/2016
4-Chlorotoluene	5.0		ND						09/07/2016
4-Methyl-2-pentanone	25.0		ND						09/07/2016
Acetone	25.0		ND						09/07/2016
Acetonitrile	50.0		ND						09/07/2016
Acrolein	100		ND						09/07/2016
Acrylonitrile	5.0		ND						09/07/2016
Allyl chloride	5.0		ND						09/07/2016
Benzene	2.0		ND						09/07/2016
Bromobenzene	5.0		ND						09/07/2016
Bromochloromethane	5.0		ND						09/07/2016
Bromodichloromethane	5.0		ND						09/07/2016
Bromoform	5.0		ND						09/07/2016
Bromomethane	10.0		ND						09/07/2016
Carbon disulfide	5.0		ND						09/07/2016
Carbon tetrachloride	5.0		ND						09/07/2016
Chlorobenzene	5.0		ND						09/07/2016
Chloroethane	10.0		ND						09/07/2016

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 122238 **SampType:** MBLK **Units** µg/L

SampID: MBLK-T160907A-2

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloroform	5.0		ND						09/07/2016
Chloromethane	10.0		ND						09/07/2016
Chloroprene	20.0		ND						09/07/2016
cis-1,2-Dichloroethene	5.0		ND						09/07/2016
cis-1,3-Dichloropropene	5.0		ND						09/07/2016
cis-1,4-Dichloro-2-butene	5.0		ND						09/07/2016
Cyclohexanone	50.0		ND						09/07/2016
Dibromochloromethane	5.0		ND						09/07/2016
Dibromomethane	5.0		ND						09/07/2016
Dichlorodifluoromethane	10.0		ND						09/07/2016
Ethyl acetate	10.0		ND						09/07/2016
Ethyl ether	5.0		ND						09/07/2016
Ethyl methacrylate	5.0		ND						09/07/2016
Ethylbenzene	5.0		ND						09/07/2016
Hexachlorobutadiene	5.0		ND						09/07/2016
Hexachloroethane	10.0		ND						09/07/2016
Iodomethane	5.0		ND						09/07/2016
Isopropylbenzene	5.0		ND						09/07/2016
m,p-Xylenes	5.0		ND						09/07/2016
Methacrylonitrile	10.0		ND						09/07/2016
Methyl Methacrylate	5.0		ND						09/07/2016
Methyl tert-butyl ether	2.0		ND						09/07/2016
Methylacrylate	10.0		ND						09/07/2016
Methylene chloride	5.0		ND						09/07/2016
Naphthalene	10.0		ND						09/07/2016
n-Butyl acetate	25.0		ND						09/07/2016
n-Butylbenzene	5.0		ND						09/07/2016
n-Heptane	20.0		ND						09/07/2016
n-Hexane	20.0		ND						09/07/2016
Nitrobenzene	50.0		ND						09/07/2016
n-Propylbenzene	5.0		ND						09/07/2016
o-Xylene	5.0		ND						09/07/2016
Pentachloroethane	20.0		ND						09/07/2016
p-Isopropyltoluene	5.0		ND						09/07/2016
Propionitrile	50.0		ND						09/07/2016
sec-Butylbenzene	5.0		ND						09/07/2016
Styrene	5.0		ND						09/07/2016
tert-Butylbenzene	5.0		ND						09/07/2016
Tetrachloroethene	5.0		ND						09/07/2016
Tetrahydrofuran	20.0		ND						09/07/2016
Toluene	5.0		ND						09/07/2016
trans-1,2-Dichloroethene	5.0		ND						09/07/2016
trans-1,3-Dichloropropene	5.0		ND						09/07/2016
trans-1,4-Dichloro-2-butene	10.0		ND						09/07/2016
Trichloroethene	5.0		ND						09/07/2016
Trichlorofluoromethane	5.0		ND						09/07/2016
Vinyl acetate	10.0		ND						09/07/2016

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 122238 **SampType:** MBLK Units µg/L

SampID: MBLK-T160907A-2

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Vinyl chloride	2.0		ND						09/07/2016
Surr: 1,2-Dichloroethane-d4			51.8	50.00		103.6	74.7	129	09/07/2016
Surr: 4-Bromofluorobenzene			50.4	50.00		100.7	86	119	09/07/2016
Surr: Dibromofluoromethane			46.9	50.00		93.8	81.7	123	09/07/2016
Surr: Toluene-d8			50.0	50.00		99.9	84.3	114	09/07/2016

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Batch 122238 SampType: LCSD Units µg/L RPD Limit 40									
SampID: LCSD-T160907A-2									
1,1,1,2-Tetrachloroethane	5.0		47.2	50.00	0	94.3	47.39	0.51	09/07/2016
1,1,1-Trichloroethane	5.0		50.4	50.00	0	100.7	50.16	0.40	09/07/2016
1,1,2,2-Tetrachloroethane	5.0		43.9	50.00	0	87.7	43.52	0.80	09/07/2016
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0		47.3	50.00	0	94.5	46.48	1.66	09/07/2016
1,1,2-Trichloroethane	5.0		45.7	50.00	0	91.4	44.38	2.97	09/07/2016
1,1-Dichloro-2-propanone	50.0		93.1	125.0	0	74.5	87.11	6.63	09/07/2016
1,1-Dichloroethane	5.0		48.3	50.00	0	96.7	48.16	0.37	09/07/2016
1,1-Dichloroethene	5.0		48.8	50.00	0	97.7	48.74	0.18	09/07/2016
1,1-Dichloropropene	5.0		50.2	50.00	0	100.3	50.79	1.25	09/07/2016
1,2,3-Trichlorobenzene	5.0		47.9	50.00	0	95.7	46.52	2.86	09/07/2016
1,2,3-Trichloropropane	5.0		41.7	50.00	0	83.4	41.67	0.07	09/07/2016
1,2,3-Trimethylbenzene	5.0		45.7	50.00	0	91.3	46.86	2.57	09/07/2016
1,2,4-Trichlorobenzene	5.0		47.1	50.00	0	94.2	47.00	0.21	09/07/2016
1,2,4-Trimethylbenzene	5.0		46.2	50.00	0	92.4	48.08	4.03	09/07/2016
1,2-Dibromo-3-chloropropane	5.0		38.2	50.00	0	76.5	36.91	3.51	09/07/2016
1,2-Dibromoethane	5.0		45.0	50.00	0	90.0	43.55	3.32	09/07/2016
1,2-Dichlorobenzene	5.0		44.5	50.00	0	89.0	45.15	1.43	09/07/2016
1,2-Dichloroethane	5.0		49.9	50.00	0	99.9	49.17	1.55	09/07/2016
1,2-Dichloropropane	5.0		49.4	50.00	0	98.8	48.01	2.85	09/07/2016
1,3,5-Trimethylbenzene	5.0		45.8	50.00	0	91.5	47.04	2.76	09/07/2016
1,3-Dichlorobenzene	5.0		46.1	50.00	0	92.1	46.77	1.53	09/07/2016
1,3-Dichloropropane	5.0		45.6	50.00	0	91.1	45.57	0.00	09/07/2016
1,4-Dichlorobenzene	5.0		45.1	50.00	0	90.2	45.85	1.60	09/07/2016
1-Chlorobutane	5.0		47.4	50.00	0	94.8	47.50	0.19	09/07/2016
2,2-Dichloropropane	5.0		47.6	50.00	0	95.2	47.02	1.25	09/07/2016
2-Butanone	25.0		90.6	125.0	0	72.5	85.65	5.67	09/07/2016
2-Chloroethyl vinyl ether	20.0		46.5	50.00	0	93.1	44.11	5.34	09/07/2016
2-Chlorotoluene	5.0		48.0	50.00	0	96.1	48.61	1.16	09/07/2016
2-Hexanone	25.0		96.5	125.0	0	77.2	92.21	4.51	09/07/2016
2-Nitropropane	50.0		430	500.0	0	86.0	411.5	4.38	09/07/2016
4-Chlorotoluene	5.0		47.0	50.00	0	94.1	48.74	3.55	09/07/2016
4-Methyl-2-pentanone	25.0		99.8	125.0	0	79.9	96.28	3.64	09/07/2016
Acetone	25.0		79.9	125.0	0	64.0	76.49	4.41	09/07/2016
Acetonitrile	50.0		374	500.0	0	74.9	357.5	4.63	09/07/2016
Acrolein	100		337	500.0	0	67.4	316.8	6.16	09/07/2016
Acrylonitrile	5.0		38.8	50.00	0	77.6	37.22	4.21	09/07/2016
Allyl chloride	5.0		36.4	50.00	0	72.7	36.10	0.72	09/07/2016
Benzene	2.0		47.8	50.00	0	95.5	47.74	0.06	09/07/2016
Bromobenzene	5.0		44.9	50.00	0	89.8	45.89	2.23	09/07/2016
Bromochloromethane	5.0		49.4	50.00	0	98.8	48.92	1.00	09/07/2016
Bromodichloromethane	5.0		49.3	50.00	0	98.6	48.92	0.79	09/07/2016
Bromoform	5.0		44.7	50.00	0	89.4	44.49	0.45	09/07/2016
Bromomethane	10.0	S	115	50.00	0	230.2	112.6	2.17	09/07/2016
Carbon disulfide	5.0		47.2	50.00	0	94.4	46.27	2.03	09/07/2016
Carbon tetrachloride	5.0		49.9	50.00	0	99.8	50.12	0.40	09/07/2016
Chlorobenzene	5.0		47.4	50.00	0	94.7	47.05	0.66	09/07/2016
Chloroethane	10.0		54.0	50.00	0	108.0	55.07	1.94	09/07/2016

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Batch 122238	SampType: LCSD		Units µg/L			RPD Limit 40			
SampID: LCSD-T160907A-2									
Chloroform	5.0		48.3	50.00	0	96.6	47.46	1.75	09/07/2016
Chloromethane	10.0		49.5	50.00	0	99.0	49.32	0.38	09/07/2016
Chloroprene	20.0		46.6	50.00	0	93.1	47.62	2.27	09/07/2016
cis-1,2-Dichloroethene	5.0		48.7	50.00	0	97.3	48.29	0.76	09/07/2016
cis-1,3-Dichloropropene	5.0		47.9	50.00	0	95.8	46.38	3.27	09/07/2016
cis-1,4-Dichloro-2-butene	5.0		37.2	50.00	0	74.3	34.87	6.33	09/07/2016
Cyclohexanone	50.0		335	500.0	0	67.0	321.2	4.15	09/07/2016
Dibromochloromethane	5.0		46.5	50.00	0	93.0	45.99	1.08	09/07/2016
Dibromomethane	5.0		47.0	50.00	0	94.1	47.23	0.40	09/07/2016
Dichlorodifluoromethane	10.0		40.3	50.00	0	80.5	41.03	1.87	09/07/2016
Ethyl acetate	10.0		42.3	50.00	0	84.6	41.16	2.71	09/07/2016
Ethyl ether	5.0		46.2	50.00	0	92.3	44.73	3.13	09/07/2016
Ethyl methacrylate	5.0		46.8	50.00	0	93.5	45.62	2.45	09/07/2016
Ethylbenzene	5.0		47.9	50.00	0	95.8	48.25	0.75	09/07/2016
Hexachlorobutadiene	5.0		49.4	50.00	0	98.9	50.11	1.35	09/07/2016
Hexachloroethane	10.0		47.8	50.00	0	95.5	49.65	3.86	09/07/2016
Iodomethane	5.0	S	82.3	50.00	0	164.6	83.21	1.08	09/07/2016
Isopropylbenzene	5.0		46.9	50.00	0	93.8	47.95	2.24	09/07/2016
m,p-Xylenes	5.0		96.3	100.0	0	96.3	97.16	0.92	09/07/2016
Methacrylonitrile	10.0		43.5	50.00	0	87.0	41.33	5.12	09/07/2016
Methyl Methacrylate	5.0		45.0	50.00	0	90.1	42.59	5.61	09/07/2016
Methyl tert-butyl ether	2.0		46.7	50.00	0	93.4	45.23	3.24	09/07/2016
Methylacrylate	10.0		42.9	50.00	0	85.8	40.68	5.34	09/07/2016
Methylene chloride	5.0		46.4	50.00	0	92.9	46.63	0.43	09/07/2016
Naphthalene	10.0		44.3	50.00	0	88.6	43.08	2.77	09/07/2016
n-Butyl acetate	25.0		42.9	50.00	0	85.7	41.77	2.60	09/07/2016
n-Butylbenzene	5.0		46.0	50.00	0	91.9	47.33	2.96	09/07/2016
n-Heptane	20.0		40.3	50.00	0	80.6	40.08	0.57	09/07/2016
n-Hexane	20.0		43.1	50.00	0	86.2	41.96	2.70	09/07/2016
Nitrobenzene	50.0		321	500.0	0	64.2	312.1	2.80	09/07/2016
n-Propylbenzene	5.0		48.8	50.00	0	97.6	48.66	0.29	09/07/2016
o-Xylene	5.0		46.9	50.00	0	93.8	46.69	0.43	09/07/2016
Pentachloroethane	20.0		46.6	50.00	0	93.1	47.68	2.40	09/07/2016
p-Isopropyltoluene	5.0		47.1	50.00	0	94.2	48.36	2.62	09/07/2016
Propionitrile	50.0		392	500.0	0	78.4	369.6	5.90	09/07/2016
sec-Butylbenzene	5.0		47.0	50.00	0	94.0	48.32	2.81	09/07/2016
Styrene	5.0		45.9	50.00	0	91.8	45.94	0.04	09/07/2016
tert-Butylbenzene	5.0		49.0	50.00	0	97.9	50.36	2.82	09/07/2016
Tetrachloroethene	5.0		46.0	50.00	0	92.1	47.07	2.21	09/07/2016
Tetrahydrofuran	20.0		35.9	50.00	0	71.9	35.27	1.88	09/07/2016
Toluene	5.0		47.1	50.00	0	94.2	47.57	1.01	09/07/2016
trans-1,2-Dichloroethene	5.0		51.5	50.00	0	103.0	51.02	0.96	09/07/2016
trans-1,3-Dichloropropene	5.0		46.8	50.00	0	93.7	45.73	2.38	09/07/2016
trans-1,4-Dichloro-2-butene	10.0		34.0	50.00	0	67.9	34.01	0.12	09/07/2016
Trichloroethene	5.0		47.0	50.00	0	94.0	47.28	0.64	09/07/2016
Trichlorofluoromethane	5.0		50.9	50.00	0	101.8	50.66	0.43	09/07/2016
Vinyl acetate	10.0		47.7	50.00	0	95.3	43.49	9.17	09/07/2016



Quality Control Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	SampType:	Units					RPD Limit		Date
122238	LCSD	µg/L					40		Analyzed
SampID: LCSD-T160907A-2									
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Vinyl chloride	2.0		60.6	50.00	0	121.1	60.63	0.13	09/07/2016
Surr: 1,2-Dichloroethane-d4			51.7	50.00		103.4			09/07/2016
Surr: 4-Bromofluorobenzene			50.3	50.00		100.5			09/07/2016
Surr: Dibromofluoromethane			48.2	50.00		96.3			09/07/2016
Surr: Toluene-d8			49.5	50.00		99.1			09/07/2016

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 122238		SampType: LCS		Units µg/L						
SampID: LCS-T160907A-2										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
1,1,1,2-Tetrachloroethane	5.0		47.4	50.00	0	94.8	81.9	115	09/07/2016	
1,1,1-Trichloroethane	5.0		50.2	50.00	0	100.3	79.4	124	09/07/2016	
1,1,2,2-Tetrachloroethane	5.0		43.5	50.00	0	87.0	74.7	116	09/07/2016	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0		46.5	50.00	0	93.0	72.9	121	09/07/2016	
1,1,2-Trichloroethane	5.0		44.4	50.00	0	88.8	80.8	111	09/07/2016	
1,1-Dichloro-2-propanone	50.0		87.1	125.0	0	69.7	66.3	130	09/07/2016	
1,1-Dichloroethane	5.0		48.2	50.00	0	96.3	79.4	114	09/07/2016	
1,1-Dichloroethene	5.0		48.7	50.00	0	97.5	74.1	117	09/07/2016	
1,1-Dichloropropene	5.0		50.8	50.00	0	101.6	81.7	116	09/07/2016	
1,2,3-Trichlorobenzene	5.0		46.5	50.00	0	93.0	79.7	118	09/07/2016	
1,2,3-Trichloropropane	5.0		41.7	50.00	0	83.3	77.3	112	09/07/2016	
1,2,3-Trimethylbenzene	5.0		46.9	50.00	0	93.7	79.9	119	09/07/2016	
1,2,4-Trichlorobenzene	5.0		47.0	50.00	0	94.0	79.3	118	09/07/2016	
1,2,4-Trimethylbenzene	5.0		48.1	50.00	0	96.2	78.7	115	09/07/2016	
1,2-Dibromo-3-chloropropane	5.0	S	36.9	50.00	0	73.8	76	122	09/07/2016	
1,2-Dibromoethane	5.0		43.6	50.00	0	87.1	80.8	114	09/07/2016	
1,2-Dichlorobenzene	5.0		45.2	50.00	0	90.3	78.3	112	09/07/2016	
1,2-Dichloroethane	5.0		49.2	50.00	0	98.3	70.6	118	09/07/2016	
1,2-Dichloropropane	5.0		48.0	50.00	0	96.0	79.6	113	09/07/2016	
1,3,5-Trimethylbenzene	5.0		47.0	50.00	0	94.1	77.5	115	09/07/2016	
1,3-Dichlorobenzene	5.0		46.8	50.00	0	93.5	78.6	117	09/07/2016	
1,3-Dichloropropane	5.0		45.6	50.00	0	91.1	78.8	112	09/07/2016	
1,4-Dichlorobenzene	5.0		45.8	50.00	0	91.7	77.8	114	09/07/2016	
1-Chlorobutane	5.0		47.5	50.00	0	95.0	78.6	115	09/07/2016	
2,2-Dichloropropane	5.0		47.0	50.00	0	94.0	74.9	130	09/07/2016	
2-Butanone	25.0	S	85.6	125.0	0	68.5	70.7	136	09/07/2016	
2-Chloroethyl vinyl ether	20.0		44.1	50.00	0	88.2	52.5	145	09/07/2016	
2-Chlorotoluene	5.0		48.6	50.00	0	97.2	77.4	114	09/07/2016	
2-Hexanone	25.0		92.2	125.0	0	73.8	73.3	125	09/07/2016	
2-Nitropropane	50.0		412	500.0	0	82.3	67.3	139	09/07/2016	
4-Chlorotoluene	5.0		48.7	50.00	0	97.5	78.3	115	09/07/2016	
4-Methyl-2-pentanone	25.0		96.3	125.0	0	77.0	76.3	122	09/07/2016	
Acetone	25.0		76.5	125.0	0	61.2	56.4	147	09/07/2016	
Acetonitrile	50.0		357	500.0	0	71.5	59.3	129	09/07/2016	
Acrolein	100		317	500.0	0	63.4	1	201	09/07/2016	
Acrylonitrile	5.0		37.2	50.00	0	74.4	74.1	128	09/07/2016	
Allyl chloride	5.0		36.1	50.00	0	72.2	71.5	123	09/07/2016	
Benzene	2.0		47.7	50.00	0	95.5	80	114	09/07/2016	
Bromobenzene	5.0		45.9	50.00	0	91.8	73.2	118	09/07/2016	
Bromochloromethane	5.0		48.9	50.00	0	97.8	73.3	121	09/07/2016	
Bromodichloromethane	5.0		48.9	50.00	0	97.8	81.6	121	09/07/2016	
Bromoform	5.0		44.5	50.00	0	89.0	83.1	127	09/07/2016	
Bromomethane	10.0	S	113	50.00	0	225.3	44.4	154	09/07/2016	
Carbon disulfide	5.0		46.3	50.00	0	92.5	73.2	118	09/07/2016	
Carbon tetrachloride	5.0		50.1	50.00	0	100.2	79.4	130	09/07/2016	
Chlorobenzene	5.0		47.0	50.00	0	94.1	81.4	110	09/07/2016	
Chloroethane	10.0		55.1	50.00	0	110.1	52.1	137	09/07/2016	

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 122238		SampType: LCS		Units µg/L						
SampID: LCS-T160907A-2										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloroform	5.0		47.5	50.00	0	94.9	82.7	116	09/07/2016	
Chloromethane	10.0		49.3	50.00	0	98.6	48.2	144	09/07/2016	
Chloroprene	20.0		47.6	50.00	0	95.2	80.6	126	09/07/2016	
cis-1,2-Dichloroethene	5.0		48.3	50.00	0	96.6	78.2	116	09/07/2016	
cis-1,3-Dichloropropene	5.0		46.4	50.00	0	92.8	83	119	09/07/2016	
cis-1,4-Dichloro-2-butene	5.0		34.9	50.00	0	69.7	60.7	137	09/07/2016	
Cyclohexanone	50.0		321	500.0	0	64.2	54.2	145	09/07/2016	
Dibromochloromethane	5.0		46.0	50.00	0	92.0	81.2	121	09/07/2016	
Dibromomethane	5.0		47.2	50.00	0	94.5	78.3	118	09/07/2016	
Dichlorodifluoromethane	10.0		41.0	50.00	0	82.1	20.6	154	09/07/2016	
Ethyl acetate	10.0		41.2	50.00	0	82.3	73.1	116	09/07/2016	
Ethyl ether	5.0		44.7	50.00	0	89.5	75.2	109	09/07/2016	
Ethyl methacrylate	5.0		45.6	50.00	0	91.2	80.1	113	09/07/2016	
Ethylbenzene	5.0		48.2	50.00	0	96.5	77.2	113	09/07/2016	
Hexachlorobutadiene	5.0		50.1	50.00	0	100.2	77.3	123	09/07/2016	
Hexachloroethane	10.0		49.6	50.00	0	99.3	74.6	117	09/07/2016	
Iodomethane	5.0	S	83.2	50.00	0	166.4	61.3	140	09/07/2016	
Isopropylbenzene	5.0		48.0	50.00	0	95.9	81.3	114	09/07/2016	
m,p-Xylenes	5.0		97.2	100.0	0	97.2	79.6	113	09/07/2016	
Methacrylonitrile	10.0		41.3	50.00	0	82.7	77.2	125	09/07/2016	
Methyl Methacrylate	5.0		42.6	50.00	0	85.2	74.2	121	09/07/2016	
Methyl tert-butyl ether	2.0		45.2	50.00	0	90.5	76.8	117	09/07/2016	
Methylacrylate	10.0		40.7	50.00	0	81.4	78	124	09/07/2016	
Methylene chloride	5.0		46.6	50.00	0	93.3	74.1	114	09/07/2016	
Naphthalene	10.0		43.1	50.00	0	86.2	77.9	122	09/07/2016	
n-Butyl acetate	25.0		41.8	50.00	0	83.5	74	120	09/07/2016	
n-Butylbenzene	5.0		47.3	50.00	0	94.7	71.1	120	09/07/2016	
n-Heptane	20.0		40.1	50.00	0	80.2	67.4	129	09/07/2016	
n-Hexane	20.0		42.0	50.00	0	83.9	68.4	126	09/07/2016	
Nitrobenzene	50.0		312	500.0	0	62.4	37.9	181	09/07/2016	
n-Propylbenzene	5.0		48.7	50.00	0	97.3	74.6	118	09/07/2016	
o-Xylene	5.0		46.7	50.00	0	93.4	80.1	111	09/07/2016	
Pentachloroethane	20.0		47.7	50.00	0	95.4	78.8	117	09/07/2016	
p-Isopropyltoluene	5.0		48.4	50.00	0	96.7	77.6	118	09/07/2016	
Propionitrile	50.0		370	500.0	0	73.9	72.9	137	09/07/2016	
sec-Butylbenzene	5.0		48.3	50.00	0	96.6	74.5	119	09/07/2016	
Styrene	5.0		45.9	50.00	0	91.9	83.4	113	09/07/2016	
tert-Butylbenzene	5.0		50.4	50.00	0	100.7	75.9	114	09/07/2016	
Tetrachloroethene	5.0		47.1	50.00	0	94.1	72.5	125	09/07/2016	
Tetrahydrofuran	20.0		35.3	50.00	0	70.5	69.6	125	09/07/2016	
Toluene	5.0		47.6	50.00	0	95.1	77.5	113	09/07/2016	
trans-1,2-Dichloroethene	5.0		51.0	50.00	0	102.0	79	114	09/07/2016	
trans-1,3-Dichloropropene	5.0		45.7	50.00	0	91.5	78	115	09/07/2016	
trans-1,4-Dichloro-2-butene	10.0		34.0	50.00	0	68.0	63.3	128	09/07/2016	
Trichloroethene	5.0		47.3	50.00	0	94.6	84.4	114	09/07/2016	
Trichlorofluoromethane	5.0		50.7	50.00	0	101.3	75.2	132	09/07/2016	
Vinyl acetate	10.0		43.5	50.00	0	87.0	64.5	127	09/07/2016	

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 122238		SampType: LCS		Units µg/L						
SampID: LCS-T160907A-2										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Vinyl chloride	2.0		60.6	50.00	0	121.3	58	134	09/07/2016	
Surr: 1,2-Dichloroethane-d4			50.4	50.00		100.9	74.7	129	09/07/2016	
Surr: 4-Bromofluorobenzene			50.2	50.00		100.4	86	119	09/07/2016	
Surr: Dibromofluoromethane			47.3	50.00		94.7	81.7	123	09/07/2016	
Surr: Toluene-d8			48.7	50.00		97.3	84.1	114	09/07/2016	

Batch 122238		SampType: MS		Units µg/L						
SampID: 16090286-008AMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
1,1-Dichloroethene	2500		20700	25000	0	82.8	35.7	136	09/08/2016	
Benzene	1000		22400	25000	0	89.6	62.5	121	09/08/2016	
Chlorobenzene	2500		21100	25000	0	84.5	78.6	114	09/08/2016	
Ethylbenzene	2500		22200	25000	0	88.8	74.4	130	09/08/2016	
m,p-Xylenes	2500		21800	25000	0	87.3	70.5	126	09/08/2016	
o-Xylene	2500		20800	25000	0	83.1	71.2	124	09/08/2016	
Toluene	2500		21100	25000	0	84.4	69.5	118	09/08/2016	
Trichloroethene	2500		22000	25000	0	87.8	69.4	117	09/08/2016	
Surr: 1,2-Dichloroethane-d4			26500	25000		106.1	74.7	129	09/08/2016	
Surr: 4-Bromofluorobenzene			26000	25000		104.1	86	119	09/08/2016	
Surr: Dibromofluoromethane			23900	25000		95.7	81.7	123	09/08/2016	
Surr: Toluene-d8			24800	25000		99.3	84.3	114	09/08/2016	

Batch 122238		SampType: MSD		Units µg/L				RPD Limit 20		Date Analyzed	
SampID: 16090286-008AMSD											
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
1,1-Dichloroethene	2500		21500	25000	0	86.0	20690	3.79	09/08/2016		
Benzene	1000		22700	25000	0	90.7	22400	1.24	09/08/2016		
Chlorobenzene	2500		21700	25000	0	87.0	21120	2.89	09/08/2016		
Ethylbenzene	2500		23000	25000	0	92.0	22200	3.50	09/08/2016		
m,p-Xylenes	2500		22500	25000	0	90.0	21830	3.07	09/08/2016		
o-Xylene	2500		21500	25000	0	86.1	20780	3.54	09/08/2016		
Toluene	2500		22100	25000	0	88.3	21100	4.52	09/08/2016		
Trichloroethene	2500		22800	25000	0	91.3	21960	3.88	09/08/2016		
Surr: 1,2-Dichloroethane-d4			25900	25000		103.5			09/08/2016		
Surr: 4-Bromofluorobenzene			25600	25000		102.3			09/08/2016		
Surr: Dibromofluoromethane			23500	25000		93.9			09/08/2016		
Surr: Toluene-d8			25100	25000		100.5			09/08/2016		



Receiving Check List

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090286

Client Project: Huster Road Substation

Report Date: 09-Sep-16

Carrier: Monte Peake

Received By: AMD

Completed by: *Kalyn Foecke*
On: 06-Sep-16
Kalyn Foecke

Reviewed by: *Elizabeth A. Hurley*
On: 06-Sep-16
Elizabeth A. Hurley

Pages to follow: Chain of custody Extra pages included

- Shipping container/cooler in good condition? Yes No Not Present Temp °C **25.82**
- Type of thermal preservation? None Ice Blue Ice Dry Ice
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Reported field parameters measured: Field Lab NA
- Container/Temp Blank temperature in compliance? Yes No

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

- Water – at least one vial per sample has zero headspace? Yes No No VOA vials
- Water - TOX containers have zero headspace? Yes No No TOX containers
- Water - pH acceptable upon receipt? Yes No NA
- NPDES/CWA TCN interferences checked/treated in the field? Yes No NA

Any No responses must be detailed below or on the COC.

CHAIN OF CUSTODY

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client: Civil & Environmental Consultants
Address: 4848 Park 370 Blvd.
City / State / Zip: Hazelwood, MO 63042
Contact: Monte Peake **Phone:** (314) 656-4566
E-Mail: mpeake@cecinc.com **Fax:** _____

Samples on: ICE BLUE ICE NO ICE 25.82 °C
Preserved in: LAB FIELD **FOR LAB USE ONLY**
Lab Notes:
Headspace 9/6/16

Are these samples known to be involved in litigation? If yes, a surcharge will apply Yes No
 Are these samples known to be hazardous? Yes No
 Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. Yes No

Client Comments:

Project Name/Number <u>Huster Road Substation</u>		Sample Collector's Name <u>M. PEAKE / B. DALTON</u>		MATRIX		INDICATE ANALYSIS REQUESTED																							
Results Requested <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)		Billing Instructions <u>AMEREN</u>		# and Type of Containers							Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	VOC 8260												
				UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4								OTHER											
Lab Use Only	Sample Identification	Date/Time Sampled																											
<u>16090280-001</u>	<u>MW-5</u>	<u>9/6/16 @ 1025</u>						<u>2</u>						<u>X</u>	<u>X</u>														
<u>002</u>	<u>MW-6</u>	<u>1028</u>						<u>2</u>						<u>X</u>	<u>X</u>														
<u>003</u>	<u>MW-7</u>	<u>1030</u>						<u>2</u>						<u>X</u>	<u>X</u>														
<u>004</u>	<u>MW-2</u>	<u>1053</u>						<u>2</u>						<u>X</u>	<u>X</u>														
<u>005</u>	<u>MW-3</u>	<u>1116</u>						<u>2</u>						<u>X</u>	<u>X</u>														
<u>006</u>	<u>MW-40</u>	<u>1215</u>						<u>2</u>						<u>X</u>	<u>X</u>														
<u>007</u>	<u>MW-39</u>	<u>1225</u>						<u>2</u>						<u>X</u>	<u>X</u>														
<u>008</u>	<u>MW-41</u>	<u>1230</u>						<u>2</u>						<u>X</u>	<u>X</u>														
<u>009</u>	<u>MW-4</u>	<u>1300</u>						<u>2</u>						<u>X</u>	<u>X</u>														
<u>010</u>	<u>MW-1</u>	<u>1321</u>						<u>2</u>						<u>X</u>	<u>X</u>														

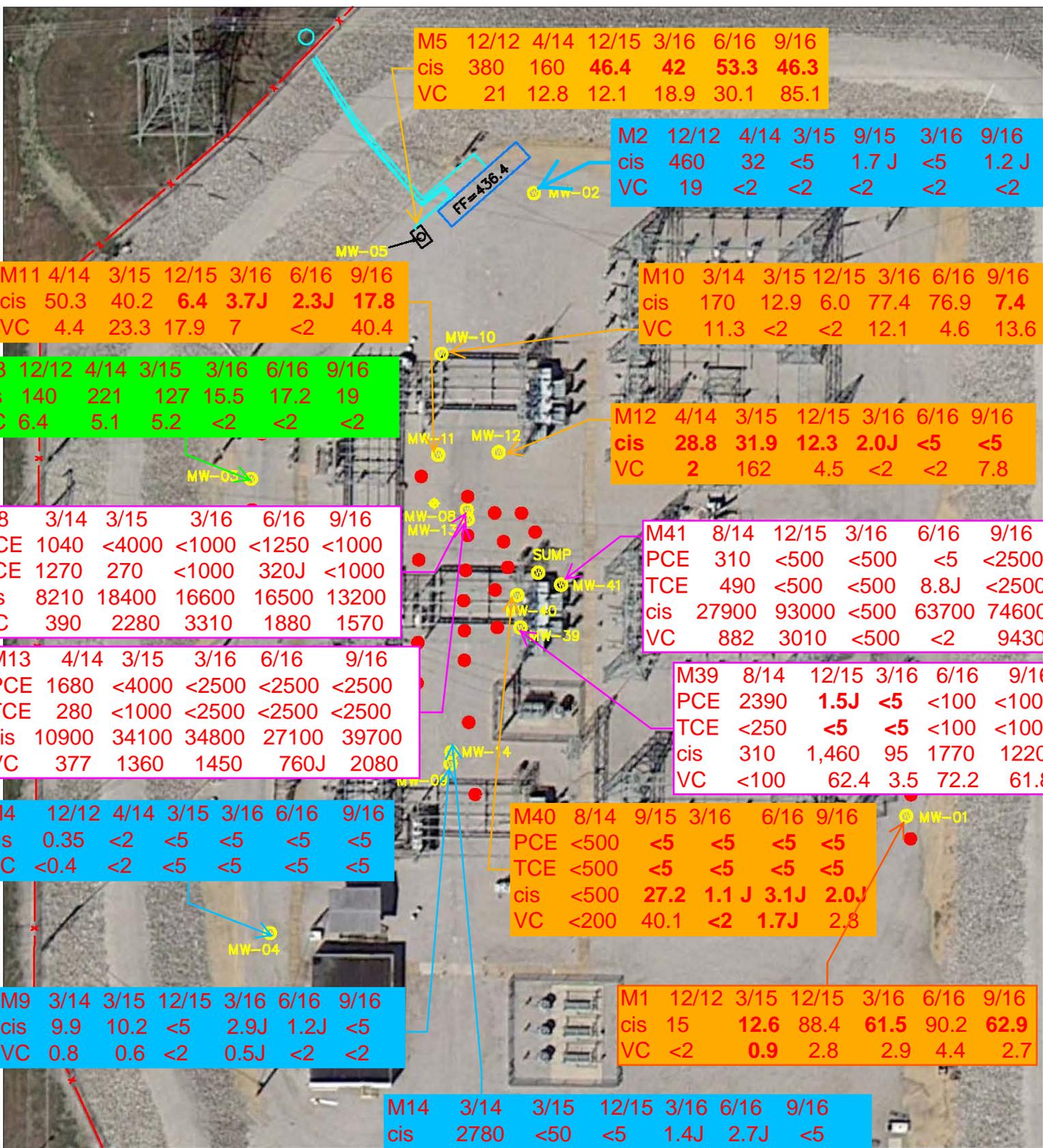
Relinquished By	Date/Time	Received By	Date/Time
<u>Monte Peake</u>	<u>9/6/16 @ 1451</u>	<u>Monte Peake</u>	<u>9/6/16 1451</u>

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client.

BottleOrder: 26200



(Handwritten signature)



M5	12/12	4/14	12/15	3/16	6/16	9/16
cis	380	160	46.4	42	53.3	46.3
VC	21	12.8	12.1	18.9	30.1	85.1

M2	12/12	4/14	3/15	9/15	3/16	9/16
cis	460	32	<5	1.7J	<5	1.2J
VC	19	<2	<2	<2	<2	<2

M11	4/14	3/15	12/15	3/16	6/16	9/16
cis	50.3	40.2	6.4	3.7J	2.3J	17.8
VC	4.4	23.3	17.9	7	<2	40.4

M10	3/14	3/15	12/15	3/16	6/16	9/16
cis	170	12.9	6.0	77.4	76.9	7.4
VC	11.3	<2	<2	12.1	4.6	13.6

M3	12/12	4/14	3/15	3/16	6/16	9/16
cis	140	221	127	15.5	17.2	19
VC	6.4	5.1	5.2	<2	<2	<2

M12	4/14	3/15	12/15	3/16	6/16	9/16
cis	28.8	31.9	12.3	2.0J	<5	<5
VC	2	162	4.5	<2	<2	7.8

M8	3/14	3/15	3/16	6/16	9/16
PCE	1040	<4000	<1000	<1250	<1000
TCE	1270	270	<1000	320J	<1000
cis	8210	18400	16600	16500	13200
VC	390	2280	3310	1880	1570

M41	8/14	12/15	3/16	6/16	9/16
PCE	310	<500	<500	<5	<2500
TCE	490	<500	<500	8.8J	<2500
cis	27900	93000	<500	63700	74600
VC	882	3010	<500	<2	9430

M13	4/14	3/15	3/16	6/16	9/16
PCE	1680	<4000	<2500	<2500	<2500
TCE	280	<1000	<2500	<2500	<2500
cis	10900	34100	34800	27100	39700
VC	377	1360	1450	760J	2080

M39	8/14	12/15	3/16	6/16	9/16
PCE	2390	1.5J	<5	<100	<100
TCE	<250	<5	<5	<100	<100
cis	310	1,460	95	1770	1220
VC	<100	62.4	3.5	72.2	61.8

M4	12/12	4/14	3/15	3/16	6/16	9/16
cis	0.35	<2	<5	<5	<5	<5
VC	<0.4	<2	<5	<5	<5	<5

M40	8/14	9/15	3/16	6/16	9/16
PCE	<500	<5	<5	<5	<5
TCE	<500	<5	<5	<5	<5
cis	<500	27.2	1.1J	3.1J	2.0J
VC	<200	40.1	<2	1.7J	2.8

M9	3/14	3/15	12/15	3/16	6/16	9/16
cis	9.9	10.2	<5	2.9J	1.2J	<5
VC	0.8	0.6	<2	0.5J	<2	<2

M1	12/12	3/15	12/15	3/16	6/16	9/16
cis	15	12.6	88.4	61.5	90.2	62.9
VC	<2	0.9	2.8	2.9	4.4	2.7

M14	3/14	3/15	12/15	3/16	6/16	9/16
cis	2780	<50	<5	1.4J	2.7J	<5
VC	198	<20	<2	1.1J	0.6J	<5

LEGEND:

Blue - all below detection limits
 Orange - all but one below MCL or detection limits
 White - More than one above MCL

0 25 50

SCALE (FEET)



SCALE: 1" = 50'
DATE: APRIL 2015
PROJECT No.: 12036
CLIENT: AMEREN
DRAWN BY: PC
CHECKED BY: DI
APPROVED BY:

TITLE: PHASE 2 INJECTION LOCATIONS EXPANDED PILOT TEST AREAS HUSTER RD. SUBSTATION ST. CHARLES, MO
DRAWING NO.
REV.
FIGURE 1